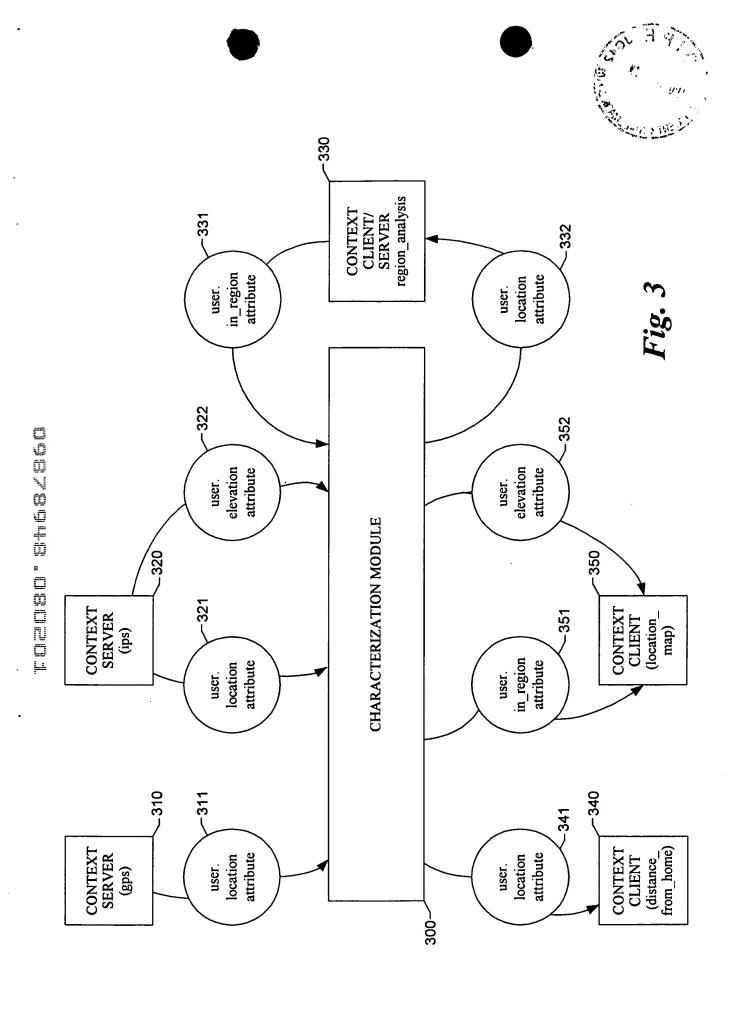


Fig. 2



Dosymora Losonica

context server table 400	request handler				415		
	reque	(reference)	(reference)	(reference)			
	filename	gps.exe	ips.exe	1_r_a.exe	414		
	installation date	2/10/2000	2/21/2000	2/10/2000	12413	Fig. 4	
	version	I	1	1	412		
	context server name	SdS	ips	location_region_analysis	411		
		401—gps	402 ips	403			

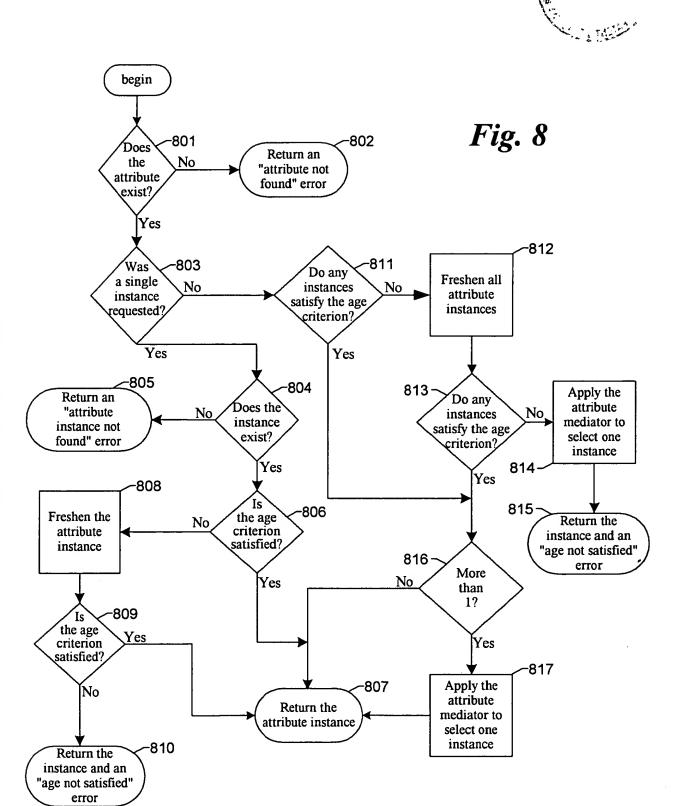
500						attribu	attribute instance table
	attribute name	context server name	value	uncertainty	timestamp	units	number of context clients consuming
501	user.location	sd8	47° 38.73° N, 122° 18.43° W	.60° 0	13:11:04.023 2/22/2000	degrees/minutes	2
505	user.location	ips	47° 38.745° N, 122° 18.424° W	0°.021	13:11:01.118 2/22/2000	degrees/minutes	2
503	user.elevation	sdi	22	٤.	13:11:01.118 2/22/2000	meters ·	1
504	user.in_region	location_region_ analysis	none	none	none	none	0
	-511	- 512	-513	-514	-515	-516	-517

Fig. 5

(reference) (reference) (reference) (reference)	nno	context client table
(reference) (reference) (reference)	context clent name	message handler
(reference) (reference)	01 location map	(reference)
(reference)	distance_from_home	(reference)
	03 region analysis	(reference)
		612

					attribu	attribute instance table
	context server name	value	uncertainty	timestamp	units	number of context clients consuming
	gps	47° 38.73° N, 122° 18.43° W	.00°.09	13:11:04.023 2/22/2000	degrees/minutes	2
	sdi	47° 38.745° N, 122° 18.424° W	0° .021'	13:11:01.118	degrees/minutes	2
	sdi	22	5.	13:11:01.118	meters	-
	location_region_ analysis	none	none	none	none	1
-711	712	_713	714	715	716	717

Fig. 7



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						attiion	attribute mistalice table
	attribute name	context server name	value	uncertainty	timestamp	units	number of context clients consuming
2001	user.location	gps	47° 38.73° N, 122° 18.43° W	.00° 0	13:11:04.023 2/22/2000	degrees/minutes	2
905	user.location	ips	47° 38.745° N, 122° 18.424° W	0°.021'	13:11:01.118 2/22/2000	degrees/minutes	2
903	user.elevation	ips	22.25	.5	13:11:06.565 2/22/2000	meters	1
904	user.in_region	region_analysis	none	none	none	none	-
	-911	912	-913	-914	-915	916	-917

Fig. 9

n table	ator		-1016
condition table	logical operator	11	7
	comparison value	TRUE	-1015
	second logical parameter	none	1014
	first logical parameter	user.in_region	
	context client name	region_analysis	1012
	condition name	in_region_true	1011
1000		1001	

Fig. 10

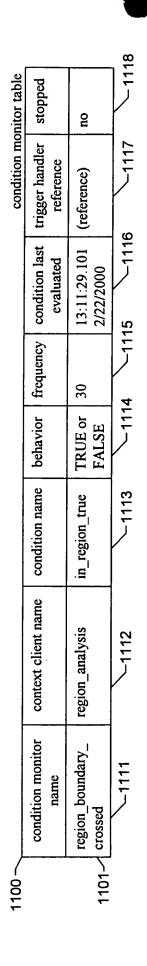
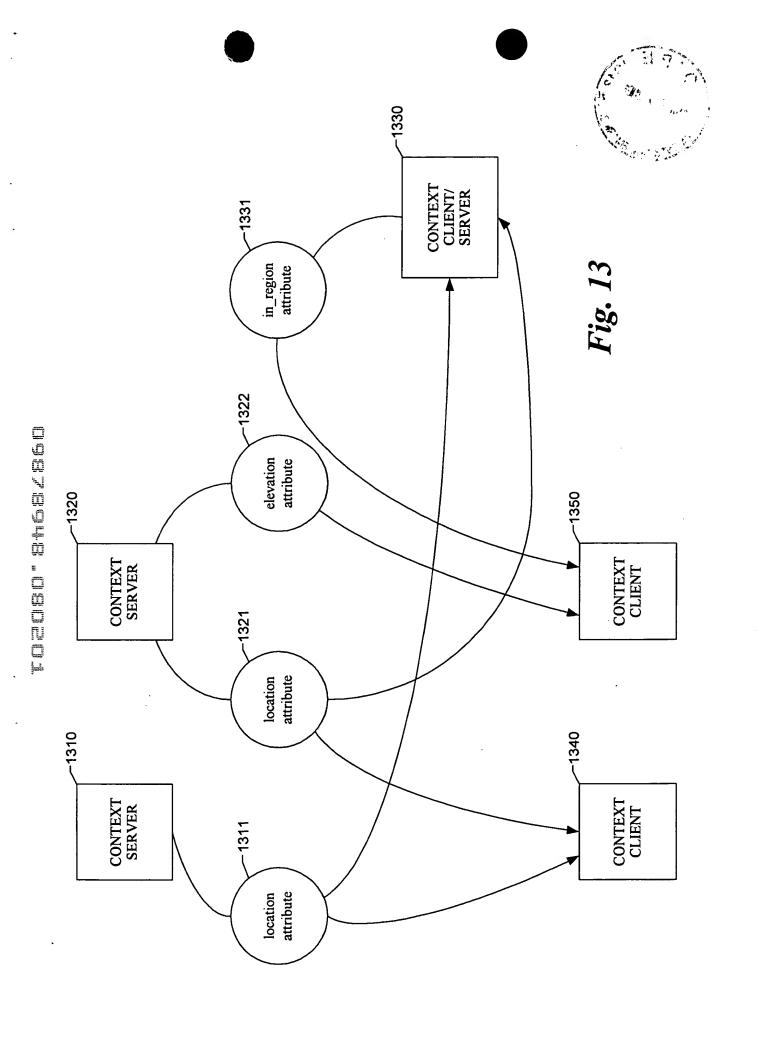


Fig. 11

1200 /							condition monitor table	nitor table
	condition monitor name	context client name	condition name	behavior	frequency	condition last evaluated	condition name behavior frequency condition last trigger handler stopped evaluated reference	stopped
2	region_boundary_ 1201~ crossed	region_analysis	in_region_true	TRUE or 30 FALSE	30	13:11:59.101 (reference) 2/22/2000	(reference)	yes
	_1211	-1212	1213	1214	4 1215	1216	3 -1217	1218

Fig. 12



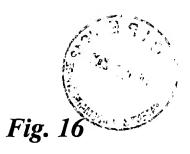




	attribute request ta
attribute name	context client name
user.location	distance_from_home
user.in_region	location_map
user location [gps]	location_region_analysis
user.elevation	location_map
1411	1412

Fig. 14

User.	Platform. (continued)
Desired_privacy_level	CPU.
Interruptibility	Load
Speed	Load Speed Fig. 15
Direction	Memory.
Acceleration	Total_capacity
Availability.	Used
Cognitive_availability	Storage.
Tactile_availability	Total capacity
Manual availability	Used
Visual_availability	Connectivity.
Oral_availability	Connection_status
Auditory_availability	Connection_speed
Proximity. <item name="" or="" place=""></item>	Connection_type/device
Mood.	Connection_activity
Happiness	Power.
Sadness	Power_source
Anger	Power_level
Frustration	Environment.
Confusion	People.
Activity.	Nearest
Driving	Number_present
Eating	Number_close
Running	Local.
Sleeping	Time
Talking	Date
_	
Typing	Temperature
Walking	Pressure
Location.	Wind_speed
Place_name	Wind_direction
Latitude	Absolute_humidity
Longitude	High_forecast_temperature
Altitude	Low_forecast_temperature
Room	People_present
Floor	Ambient_noise_level
Building	Ambient_light_level
Address	Days. <pre>previous or future>.</pre>
Street	High_temperature
City	Low_temperature
County	Precipitation_type
State	Precipitation_amount
Country	Place. < place name>. (same as Environment. Local)
	•
Postal_Code	Application.
Destination. (same as User.Location.)	Mail.
Physiology.	Available
Pulse	New_messages_waiting
Body_temperature	Messages_waiting_to_be_sent
Blood_pressure	Phone.
Respiration	Available
Person. <name id="" or="">. (same as User.)</name>	In use
Platform.	On/off
UI.	Notification_mechanism
Oral_input_device_availability	Call_incoming
Manual_input_device_availability	Caller_ID
Tactile output device availability	Sound_recorder.
	Available
Visual_output_device_availability	Available Recording
AUDITORY OUTDUIT DEVICE SYSTISTICS	Kecoraina



- 1) User Setting
 - a) Mental Context
 - i) Meaning
 - ii) Cognition
 - (1) Divided User Attention
 - (2) Task Switching
 - (3) Background Awareness
 - iii) Solitude
 - iv) Privacy
 - (1) Desired Privacy
 - (2) Perceived Privacy
 - v) Social Context
 - vi) Affect
 - b) Physical Situation
 - i) Body
 - (1) Biometrics
 - (2) Posture
 - (3) Motion
 - (4) Physical Encumberment
 - (a) Senses
 - (i) Eyes
 - (ii) Ears
 - (iii) Tactile
 - (iv) Hands
 - (v) Nose
 - (vi) Tongue
 - (b) Workload demands/effects
 - (c) Interaction with computer devices
 - (d) Interaction with people
 - (e) Physical Health
 - ii) Environment
 - (1) Time/Space
 - (2) Objects
 - (3) Persons
 - (a) Audience/Privacy Availability
 - (i) Scope of Disclosure
 - (ii) Hardware affinity for privacy
 - (iii) Privacy Indicator for User
 - (iv) Privacy Indicator for Public
 - (v) Watching Indicator
 - (vi) Being Observed Indicator
 - (4) Ambient Interference
 - (a) Visual
 - (b) Audio
 - (c) Tactile

- 2) Computer
 - a) Power
 - b) Configuration
 - i) User Input Systems
 - (1) Hand/Haptic
 - (a) Keyboard/Keystrokes
 - (2) Voice/Audio
 - (3) Eye Tracking
 - (4) Cursors
 - (a) Axis
 - (b) Resolution
 - (i) Selection
 - (ii) Invocation
 - (c) Accelerators
 - ii) Output Systems
 - (1) Visual
 - (a) Resolution
 - (2) Audio
 - (a) Public/Private
 - (3) Haptic
 - iii) External Resources
 - (1) I/O devices
 - (2) Connectivity
 - c) Data
 - i) Quantity/State
 - ii) Urgency/Importance
 - (1) Use of Prominence
 - iii) Modality
 - iv) Sensitivity/Purpose
 - (1) Privacy Issues
 - (2) Use of Association
 - (3) Use of Safety
 - v) Source/Ownership
 - (1) Types
 - (a) User generated
 - (b) Other computers or people
 - (c) Sensor
 - (d) PC State
 - (2) Use of Association

